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**Mathematical Wrinkles.** By SAMUEL I. JONES. Gunther, Texas: Published by the author. Pp. 321. \$1.65.

This book is intended for teachers and private learners and consists of knotty problems; mathematical recreations answers and solutions; short methods; helps; etc. It contains much information and will be a source of much interest to many teachers.

**A Text-Book of Mathematics and Mechanics.** By CHARLES A. A. CAPITO. Philadelphia: J. B. Lippincott Company. Pp. 398. \$4.00 net.

This book has been compiled with the object of assisting English students to prepare for scientific and higher technical examinations. The author takes the sound view that a thorough knowledge of mathematics is a prime necessity for engineers as a basis for their technical work.

In Analytical Geometry the straight line, circle, parabola, ellipse, and hyperbola are all treated separately and then all are shown to belong to one category. In Calculus differentiation and integration are treated separately. Mechanics is treated entirely from a dynamical point of view.

There are many worked out examples and the book is one that will appeal to those who like careful work.

**Map Projections.** By ARTHUR R. HINKS. Cambridge: The University Press. G. P. Putnam's Sons American representatives. Pp. 126. \$1.50

The theory of the conformal representation of one surface upon another is of very great importance in mathematics, but in actual map-making it is of no great advantage. The author of this book therefore departs from the usual course of presenting the general mathematical theory first and then the practical applications, and begins by considering the various projections in common use and discusses the merits and defects of each for a given map. Careful consideration is given to the relations between the various projections; the extent to which they possess the qualifications which a good map projection should possess; the method by which they can be constructed; and the way in which a map so constructed can be used.

**Statics.** By HORACE LAMB. Cambridge: The University Press. G. P. Putnam's Sons American representatives. Pp. 341. \$3.25.

This book presupposes some knowledge of elementary Mechanics on the part of the student, and while the calculus is freely used much use is made of geometrical methods and of those of graphic statics.

Besides the statics of solids five chapters are given on the statics of liquids as well as the elements of the theory of elasticity. It would seem to be a very teachable book.